Sridhar Pillai

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EDUCATION

Vidyavardhini's College Of Engineering & Technology
BE : Information Technology.
Honors (AI/ML)

Vasai, India
November 2022 - August 2026

SKILLS SUMMARY

Languages : JavaScript, TypeScript, SQL, JAVA .

Frameworks : React.js, Next.js, Express.js, Django, Flask, Node.js, Pandas, Numpy.

Database : Firebase, MongoDB, MySQL, SQLite, AWS DynamoDB, Astra DB, Redis.

Tools : Git, Github, Postman, Langflow, Figma ,Abobe Photoshop, Adobe Illustrator, Meta for Developers (WhatsApp API).

Platforms : AWS, Azure, Google Cloud Console, Digital Ocean, Android Studio, Jupyter Notebook.

EXTRACURRICULARS

Hackathon Committee (Technical Head),Core Coding Committee (Technical Head), MicroSoft Learn Students Club (Web Coordinator)

WORK EXPERIENCE

Realfy Oasis *Role: AI and Backend intern* *Certificate*

- Developed a **real-time physiotherapy** motion analysis system using **MediaPipe** and a custom AI model for accurate pose detection and classification.
- Enabled **secure face authentication** and efficient binary data streaming for optimized performance.
- Created a responsive dashboard with Tailwind CSS for **real-time motion** feedback.
- Deployed a **distributed backend**: Node.js on **DigitalOcean**, Python services in Docker on **GCP**.
- Built a **WhatsApp** bot for interactive feedback and integrated **Google Fit API** for health tracking.

Mr Pod (Arihant DigiPrint) *Role: Full stack developer* *Certificate*

- Built a dynamic **T-shirt mockup editor using Fabric.js** for in-browser custom apparel design.
- Managed product catalog, API integrations, and ensured smooth, responsive site functionality.
- Integrated with **Shopify** to sync products and automate storefront updates.
- Collaborated with clients to onboard and configure custom merchandise offerings.
- Led UI design and performed performance audits with **Google Lighthouse** for accessibility and testing.

PROJECTS

Satyadarshi- *Link -Best innovation award*
Tech Stack - Node.js | ReactJS | MongoDB | Express.js | Tailwind | GenAI

- Developed a **multilingual legal assistant** app to help low-income users resolve issues like evictions and wage theft through step-by-step guidance and automated legal support.
- Enabled **document upload with OCR** to extract key legal information and suggest appropriate next actions, along with a **chatbot that generates legal document** templates based on user queries.
- Integrated AI voice consultations using **Vapi** and legal podcast streaming via **ElevenLabs** to deliver **audio-based legal education.**
- Added lawyer discovery through **Google Maps API and fetched real-time legal news** and videos to keep users informed.
- Implemented secure payment processing for **premium services** and consultations using Razorpay.

Penny Tracker *Link - Winner at VNPS*
Tech Stack – Node.js | ReactJS | Firebase | Redis | Java | EC2

- Developed a full-stack finance tracker with mobile and web support to **automatically extract and analyze** spending data from SMS messages.
- Built an end-to-end system to scrape SMS messages and **generate daily, monthly, and yearly** spending reports with **features like tracking expanse, categorized summaries, and budget alerts**.
- Integrated a **smart chatbot** using TF-IDF and cosine similarity to answer finance-related queries and **provide personalized insights**.
- **Secured data using AES-256 encryption,** deployed on **AWS EC2**, and optimized performance with **Redis caching**, achieving up to **200x faster response times**.

Event Scheduler using RoundGen Algorithm- *Winner at Oscillations , Copyrighted and published at IEEE*
Tech Stack – ReactJs | Django | SQL | Genetic Algorithm

- A full-stack college event hosting platform with participant registration and event scheduling using **Genetic Algorithm and Round Robin.**

CERTIFICATES & ACHIEVEMENTS

- Paper titled "RoundGen: Sports Event Scheduler Using Genetic and Round Robin Algorithm" accepted at **IDCIOT 2025, REVA University, Bengaluru.** — **Feb 2025**
- **Winner** Best innovate award at Hack2Infinity 2025 — **March 25**
- **Winner** of Oscillations and VNPS 2025 National Level Paper Presentation Competition and Product showcase respectively — **April 2025**
- Completed **100Days** of Nodejs : A backend challenge — **Link**